

the greatest nation on earth. It is the optimism and faith which imbued their descendants who carved an agricultural empire of unparalleled richness from the Mississippl valley. Once a wilderness so unpromising that it

evoked derision in the halls of congress, the

west has become today the land of fortune and

opportunity. In this land of boundless distances the altitude is stimulating, the air is a tonic, giving health to the infirm and courage to those who have falled elsewhere. Its constant sunshine encourages optimism and cheerfulness. The glories of its conditinted dawns, the indescribable beauty of its sunsets and the nameless witchery of its twilight softly melting into night are the work

of a divine painter. There is a mental and spiritual uplift in mountains, whose summits are in regions of perpetual snow. Its sapphire lakes, excelling in beauty those of Switzerland, open up a wondrous field of interest and pleasure to the sightseer and those in search of rest and recreation. The monarchs of its forests cast their shadows on the earth before the coming of the gentle Nazarene.

canons, sculptured during uncounted centuries by wind and wave, are unrivaled in wonderful their varied coloring and in

their awe-inspiring depths. Its deserts, in vastness of area, in potential wealth of soil and climate, and in rivers of constant supply, are sleeping empires awaiting exploitation and development. Here nature offers to every man his birthright-a wide sky, the sunshine, the wind, and a sure reward for intelligent effort. Here things are writ in characters too vast for human pen.

The late Gov. John A. Johnson well said the west symbolizes "homes for the homeless, food for the hungry, work for the unemployed, land for the landless, gold for the penniless, freedom for the enslaved, adventure for the restless, dangers for the brave, an unknown world to conquer, and room for all."

Irrigation has wrought its miracle and 13,-000,000 acres reclaimed are annually producing harvests valued at more than \$250,000,000 and supporting in homes of their own more than 300,000 families. The wealth of that portion of the country which great statesmen in Webster's day were wont to declare worthless is greater now than that of the entire nation in 1860.

In the swift march of national events during the past decade, the development of the west has focused the attention of the world. It furnishes one of the most inspiring pages in the annals of our commonwealth. It is a story of progress and human achievement-a battle with nature in her sternest and most forbidding aspect.

Future writers will record the irrigation movement as an epoch in our history the farreaching influence of which overshadowed in importance any other progressive movement since the opening to settlement of the Mississippi valley. The reclamation of vast areas of our arid and semi-arid regions, which is being promoted by the federal government and by large corporations working in conjunction with several states, is of profound economic importance to the nation.

The additional opportunities thus created for home makers are already serving to check the undesirable efflux of the country people to the city. Millions of acres of desert, unleached by rain and storing in its bosom the fertility gathered there by centuries of washings from hills and mountains, are being quickened by life-giving water.

Cities, populous and great, have sprung up; rural communities, attractive and prosperous, broad vistas of fertile fields and blossoming orchards whose yields are prolific beyond comparison, replace the wastes of sand and sage brush.

Economic forces are at work today in the country, and particularly in the arid west, which are gradually but surely shaping our agricultural development along new lines. In many parts of the irrigated country agriculture now occupies a position of greater dignity among the vocations than ever before. Its place among the scientific professions is now recognized and it is calling more strongly every day for the best talent and brains the nation affords.

The reclamation service began its work in 1902 on the passage of the reclamation act. The first contract was let in September of the next year and, on June 17, 1905, an important project in Nevada was formally opened.

LOOKING DOWN INTO TIETON CANYON, YAKIMA PROJECT, WASHINGTON

Progress has been rapid and the activities the bureau have been extended to 26 or more projects, which to date have involved the expenditure of \$60,000,000. In the seven and half years of its work the service has built 4,215 miles of canal. Placed end to end, these canals would reach from Washington to San Francisco and back to New Orleans. Several of these canals carry whole rivers.

It has excavated 17 miles of tunnels. Before the end of the year it will have completed four of the highest dams in the world. Its excavations of rock and earth amount to the enormous total of 60,000,000 cubic yards. Its roads have a total length of 417 miles;

telephones, 1,127 miles; levees, 70 miles. It has purchased 915,751 barrels of cement and has manufactured in its own mill 340,000 barrels. As a result of its work water is available for 750,000 acres on 13,000 farms.

The gross value of crops produced on the lands irrigated by the government projects in 1910 was \$14,038,000. As a result of the work of the government it is estimated that and values have increased more than \$105,800,000.

The reclamation service is entering 1910 with money and plans for completing most of its larger and unfinished masonry structures and with about three-quarters of a million of acres of arid land under irrigation.

It will finish this year the great Roosevelt dam in Arizona, one of the most massive in the world. It has completed the Shoshone dam, in northern Wyoming, the highest structure of its kind ever built; the Pathfinder dam, in southern Wyoming, and the Laguna dam, in Arizona. It will for the first time utilize the Gunnison tunnel, whose completion was celebrated by President Taft last summer.

The funds available for construction are somewhat less than in previous years, and the organization, which is very elastic, has been cut down to fit reduced expenditures. About fifty skilled men-engineers, experts and technical assistants-have either sought private employment, have been transferred to other bureaus of the government or put on furlough, in order to keep the overhead charges consistent with the expenditures.

Reviewing the history of the reclamation service as a whole, its maximum activity and expenditures were in the year 1907. In 1902 the expenditures were less than \$100,000, and 1903 less than \$1,000,000. In 1904 they were \$2,500,000; in 1905, \$5,000,000; in 1906, a little less than \$10,000,000; in 1907, nearly \$14,000,-Then the expenditures decreased to \$10,000,000 in 1908, to about \$9,000,000 in 1909, and in 1910 they will be a little under \$8,000,-000. It is expected that in 1911 they will shrink to about \$7,000,000, which sum will probably continue to be available during after years, assuming that the water-right charges are paid as they fall due.

This is the most period in the history of national. Arrigation since the passage the reclamation 1902. By in public notices of the secretary of the interior, issued last year, hundreds water-right installments, involving ap-

PAMILIAR

TYPE: THE

OPTIMISTIC

PROSPECTOR.

REATEST PROJECT OF THE RECLAMATION SERVICE,

RIO GRANDE VALLEY,

MEXICO

proximately \$1,000,-000, became due on April 1, 1910. That date is a memorable one, not only to the settlers, whose entries liable to cancellation for failure to make the payments due, but also to the reclamation service, which is concerned in securing the return of its investment in the engineering works. It is also a matter of interest to citizens of the number of sections containing feasible projects, the construction of which cannot be undertaken without additional funds. As the repayments are made through the local land offices and not directly to the service. some time must elapse before the actual amounts collected are known. On a number of the projects, like Sun River, Shoshone and Huntley, the settlers have already made their initial payments and will not be delinquent on the second installment until April, 1911, which enables them to market two crops between payments. On several other projects. such as the Minidoka, Klamath, Lower Yellowstone, Belle Fourche, Carlsbad, Truckee-Carson, North Platte and others, the first settlers have had the use of water for two crops, and it is probable that a majority will be able to

meet their obligations without difficulty. Detailed reports from various sources on each of the projects have been received at The conditions as a whole are described as favorable for a large return to the reclamation fund. On several of the projects there will be no delinquents. On a number of projects the engineering work is not fully completed, but water is ready for large areas and is being supplied on a rental basis pending the announcement of the actual cost of water right. The reclamation service has derived considerable revenue from these sources and at the same time the farmers have been enabled to increase the areas in cultivation. The following financial statement is interesting as showing the status of the reclamation fund and the amounts which thus far have been credited to it through the operations of the reclamation service:

Total moneys received and transferred to the reclamation fund from sales of public lands under reclamation act to February 28, 1910, \$58,342,617.02. Approximately \$4,500,000 are still in the treasury of the United States, but not yet available.

Moneys received under operations of reclamation act from all sources in cash and credits, for work done, \$2,379,475.04, divided as follows: Town-lot sales, \$103,673.91; miscellane-

opportunities for men of moderate means to secure homes in a prosperous and growing country. Close to the Black Hills, in South Dakota, lies the beautiful valley of Belle Fourche, containing, 100,000 acres of grass-covered prairie. Many miles of canals have been laid across its surface, and what was only a short time ago the finest free cattle range in this country is rapidly becoming a compactly settled agricultural community.

lofty mountains on the eastern rim of Yel-

lowstone park a thousand streams will rush

downward to fill to brimming the swift-flowing

Shoshone river. An important physical change

will occur at that time. The flood that once,

unchecked and uncontrolled, swept madly

through the rock-walled gorge will beat itself

to stillness against a massive wall of concrete

with which man has blocked the canon. A

beautiful lake, 100 feet deep and covering ten

In this wonderful gash in the mountains, with perpendicular walls a thousand feet high,

the government has erected the highest dam

in the world. It is a wedge of concrete 328

feet from base to top. Its height can only

be appreciated when compared with that of

some well-known structure. New York's fa-

mous Flatiron building would not reach within

47 feet of the top of the dam, and the tip-top

of the dome of the United States capitol would

In the summer, when the crops are thirsty,

vert the waters

through a tun-

long into a canal

along the upper

edge of a broad

and fertile valley

it was a desolate

waste. Today it

houses and three

thriving towns.

Ten thousand

produced

last year

this project.

valley al-

appear-

ready has a sub-

to 80 acres each

are now avail-

able to entry and

More than 250

Two years ago

containing

contains

acres

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which

miles

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passes

150

40

fall short 21 feet of the parapet.

square miles, will appear.

An impressive engineering feature of this project is the Owl Creek dam, one of the longest and highest earthen embankments in the world. This structure, now nearing completion is 6,200 feet long, has a maximum height of 115 feet and contains 1,600,000 cubic yards of ma-

The Roosevelt dam, which is about completed as you read the story today, is in many respects the most remarkable structure of it kind in the world. Its towering height, 280 feet, its length on top, 1,080 feet, the inspiring scenery in which it is located and the enormous capacity of the reservoir created by it combine to make it one of the most stupendous engineer ing works of modern times.

Conceive, if you can, two valleys-one 12 miles, the other 15 miles in length, and each from one to three miles wide-transformed into a lake 200 feet deep in places and containing enough water to cover Delaware a foot deep.

The Salt River reservoir, when full, has a capacity sufficient to fill a canal 300 feet wide and 19 feet deep extending from Chicago to San Francisco.

My one regret is that the space allotted me is too little to permit me to describe the charms and advantages of other projects of the government. I should like to tell you of the opportunities on the Klamath project, located in south ern Oregon, in a region of unrivaled scenic beauty; of the wonderful progress made in the Boise valley, in Idaho, and the promise of even greater advance as the work of the government nears completion; of the Orland project, in the Sacramento valley, the land of fruits and flowers; of the Rio Grande valley, where there will one day be erected the most stupendous dam in the west-a region in which irrigation began before the Spanish invasion, which will become fruitful and prosperous.

The beacon of hope shines brightly in the west. It beckons the landless man to the manless land.

Armours Fertilizers

Increase the yield-Improve the quality-Enrich the soil. Every harvest proves it. Can you afford to risk your wheat? Be safe.

Armour's Fertilizers

grow the biggest crops. Ask your dealer.

Armour Fertilizer Works Chicago

& FAULTLESS STARCH LAUNDRY FOR SHIRTS COLLARS CUFFS AND FINE LINEN

HE LIVED IN THE CITY.



the big gates will be opened and the pent-up floods will be released into the river below. Papa-Why can't we see the moo Another dam, a in the daytime? low structure of Jimmle-'Cause they don't light tt concrete, will di-

up until after dark.

Casey at the Bat.

This famous poem is contained in the Coca-Cola Baseball Record Book for 1910, together with records, schedules for both leagues and other valuable baseball information compiled by authorities. This interesting book sent by the Coca-Cola Co., of Atlanta, Ga., on receipt of 2c stamp for postage Also copy of their booklet "The Truth About Coca-Cola" which tells all about this delicious beverage and why it is so pure, wholesome and refreshing. Are you ever hot-tired-thirsty? than 200 farm Drink Coca-Cola-it is cooling, relieves fatigue and quenches the thirst. At soda fountains and carbonated in bottles-5c everywhere.

Filmer-How did it happen that With 16 farm these five men who were so angry houses along with the woman in the nickelodeor each mfle of the for not taking off her hat became so friendly with her afterward? highways,

Screeners-It was raining like fury when the show was over and she invited them to take shelter with her under her hat.

"Women in love are generally trou blesome and persecuting." Such is the reported opinion of M. Emile Faoffer exceptional guet. And if a French critic does not understand the subject, of whom shall we seek understanding?"

Not an Objection.

"I think he'd like to join your club, but his wife wouldn't hear of it." "She wouldn't hear of it? Why. know of half a dozen men who would join our club if their wives couldn't hear of it."

It Would Depend. "Would you marry a man who wore

side whiskers?" I might if I thought it would be worth while to reform him."

Some women are beautiful when they are angry, but generally they are

mean and ugly at such times.

Jim-A stitch in time saves nine Tom-Who said that? Jim-Gee! Ain't you read you

Bible? Tom-Nope; I ain't even had time to read the sporting page this morning yet.-Cleveland Leader.

Different.
"Yes, Brown will stick to anything

"True, but he doesn't like anything

he has to stick to."-Puck.

The crumpled horn is one that leaves

Mrs. Winslow's Scotning Syrup. didren teething, softens the guma, reduces in-ation, allays pain, cures wind tode. Eca bottle.

Lots of marriages merely demontrate that misery loves company.

Lewis' Single Binder straight 5c cigar s made to satisfy the smoker.

Mortgage the ship for all it's worth

before giving it up.

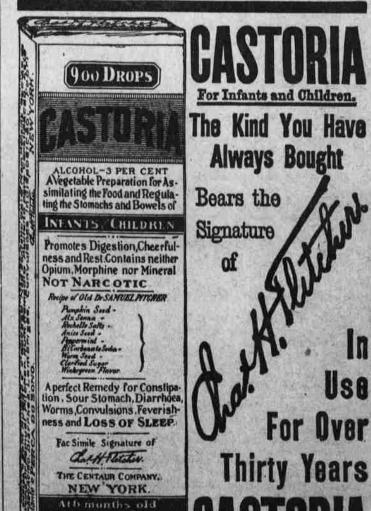
KIDNEY 75 "Guarar

Send postal for Free Package of Paxtine. Better and more economical than liquid antiseptics FOR ALL TOHLET USES.

Gives one a sweet breath; clean, white cerm-free teeth—antiseptically clear germ-free teeth—antiseptically clear mouth and throat—purifies the breatl after smoking—dispels all disagrees ble perspiration and body odors—much ap preciated by dainty women. A quick smedy for sore eyes and catarrh.



ATENTS Watson E. Coleman, Washington, D.C. Books free, High-



BOSES BEEN

aranteed under the Foo

Exact Copy of Wraps

IN THE ANTE-BELLUM DAYS

Supply of Ready Money a Matter of Indifference to Rich and Poor Alike.

According to George Cary Eggleston. Virginians of ante-bellum days showed great indifference in money

"please" pay the amount specified. Eggleston says: "This custom of paying by check so strongly commended it found the situation a difficult one to self to a certain unworldly parson of understand. He had thought that the my time that he resorted to it on one very purpose of a bank's being was to occasion in entire ignorance and innocense of the necessity of having a pened to be short of money. Why, if matters. Money in the form of coin bank deposit as a preliminary to the l'd had the money in the bank,' he extra the habit of writing checks on a slip of foolscap, instructing the bank to bis little place—it was too small to be money and paid the bills.' Fortunate—

called a plantation—and for each pur- ly the matter came to the knowledge chase he drew a particularly polite of a well-to-do and generous planter check. When the banks threw these out on the ground that their author had no account the poor old parson

who knew Parson J., and who happened to be in Richmond at the time His indorsement made the checks good and saved the unwordly old parson a deal of trouble."

Bride and Groom. He carries two new grips and two He offers her his arm.

She carries nothing but a box of

candy, and invariably wears a small hat, a vell, and a corsage bouquet. He's clean shaven, and wears, be sides immaculate linen, a careworn worried expression He pulls out his watch, presumably to see how much of the honeymoon is

> When he registers at the hotel the "and wife" is written twice as large as his own name.

She never falls to ask how many umps of sugar he takes in his coffee.